

"The Northwest's Largest Ham Convention"



June 3th, 4th and 5th, 2011

NORTHWESTERN DIVISION ARRL CONVENTION
Seaside Convention Center, Seaside Oregon

Commercial Exhibits • Giant Flea Market • Seminars
Banquet/Entertainment • VE Testing • DX & YL Luncheons

On the Beautiful Northwest Ocean Beach

Exhibitors Call: SEA-PAC Convention Registration Info:
Al Berg, W7SIC Will Sheffield, N7THL
503.816.7098 503.642.7314
almaryberg@msn.com PO Box 25466 n7thl@juno.com
Portland, OR 97298-0466

◀ www.seapac.org ▶

I want to be part of SEA-PAC '11. Please send me:

Registration Form By E-mail By US Mail
 Flea Market Information
 Commercial Exhibit Rates and Contract
 I would like to present a Seminar:

Topic _____

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

Telephone _____

Email Address _____

Fill out this form — Leave at the Registration Desk
to receive information on SEA-PAC '11.



28th Year

Northwestern Division
ARRL Convention



**Seaside Convention Center
Seaside, Oregon**

June 4th, 5th and 6th, 2010

www.seapac.org

**Presented by
Oregon Tualatin Valley
Amateur Radio Club**



SEA-PAC

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V.E. TEST SESSION

*Testing at Our Saviour's Lutheran Church—East Parish Hall
(North—across the street from the Convention Center)*

One Session—Saturday at 9 AM

Pre-registration requested. Walk-ins — Space Available

Event Expenses

If you've served as an officer of your club, you know that it takes a few highly dedicated individuals to succeed. You recognize the effort that goes into making an event work. On page 21 you'll see the names of the people who make SEA-PAC worthwhile for us all. If your name is not listed there, perhaps you can help,

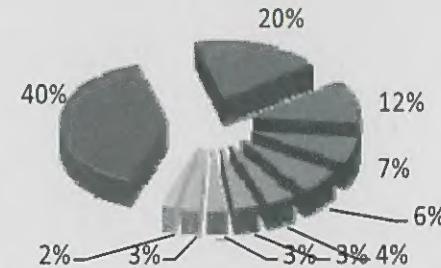
- by **expressing thanks to volunteers** who make this OUR event
- by **thanking vendors** when you do business with them
- by **thanking seminar presenters** for their volunteer time
- by **completing the questionnaire** on the back page.

We strive to conduct an efficient convention, maintaining the entry fee at as reasonable a level as possible. Compare our \$8 - \$10 registration fees with our neighboring ARRL Divisions:

- Pacific Division - \$ 15.00 to \$ 20.00
- Southwestern Division - \$ 15.00 - \$ 20.00
- Rocky Mountain - \$ 20.00 - \$ 30.00

All funds generated by SEA-PAC are used for the event expenses, scholarships and club support.

- 39.9% Printing and Mailing
- 19.6% Prizes
- 11.7% Building and Rentals
- 6.9% Program Book Printing
- 6.5% Advertising
- 4.3% Scholarship Award
- 3.4% Security
- 3.0% Exhibitors
- 2.6% Seminars
- 2.1% Name Badges



SEA-PAC is sponsored by Oregon Tualatin Valley Amateur Radio Club. Co-sponsoring clubs include: Clark County Amateur Radio Club, Hoodview Amateur Radio Club, and Sunset Empire Amateur Radio Club. Others provide support in a variety of ways.

Thank you for supporting "The Northwest's Largest Ham Convention"



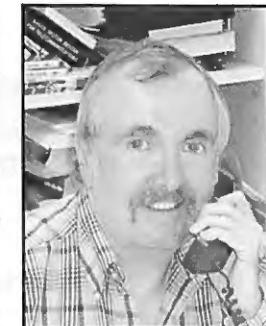
WELCOMES OUR ARRL GUESTS

Ed Hare, W1RFI, first licensed in 1963 and after 16 years in the electronics industry, came to ARRL HQ in 1986. He started as ARRL's "Product Review" test engineer, moved on to becoming ARRL's "RFI guru" (notice his call!) and he now holds the position of Laboratory Manager.

He has written many RFI articles for QST, The ARRL Handbook and other professional trade journals. He is also one of the editors and authors of The ARRL RFI Book and the author of the ARRL's book on RF exposure, RF Exposure and You.

He holds membership on the Society of Automotive Engineers EMC/EMR Committee, the ANSI accredited C63 EMC committee and as the elected Secretary of the IEEE EMC Society's Standards Development Committee, overseeing the development of EMC standards.

Ed is interested in QRP and CW operation, having achieved his Worked All States award using 250 milliwatts of power. He serves on the QRP Amateur Radio Club International Board of Directors.



ARRL Northwest Director Jim Fenstermaker, K9JF, is a past president of the Clark County Amateur Radio Club and the Willamette Valley DX Club and founder of the Greater Milwaukee (WI) DX Club. Jim has served as chair of the ARRL Administration and Finance Committee for three years, and is currently on the Scouting Committee, the Legislative Action Committee and a member of the ARRL Foundation Board. Jim is an active radio amateur and holds #1 DXCC Honor Roll having confirmed 365 DXCC entities as well as a 9-band DXCC award (160-10 meters). He is also completing the USA Counties Award with over 2,975 of the 3,077 counties confirmed.



ARRL Northwestern Division Vice Director, Grant Hopper, KB7WSD,

is president of the Snohomish County Hams Club, a license class instructor and an ARRL Volunteer Council for Washington State since 2004. Grant serves as the City of Everett's Office of Emergency Management's "Radio Officer", Fire Department and the community CERT program. He is also a volunteer coordinator for the ACS and the DEM RACES program. He has also spent over ten years in law enforcement (police officer and deputy) and as a volunteer fire fighter before going to law school. He is an avid fox-hunter and likes working on older equipment and building projects. Look for him on mini DXpeditions as he looks forward to activating some northwest islands for the IOTA program with fellow club members.



SCHEULE OF EVENTS

Friday, June 4

Registration	11:00 AM – 8:00 PM
Exhibitor & Flea Market (<i>Setup Only</i>)	11:00 AM – 8:00 PM
Friday Workshop (Registration Required)	1:00 PM – 5:00 PM
Spaghetti Dinner (Seaside Fire Hall)	4:00 PM – 8:30 PM

Saturday, June 5

Exhibitor/Flea Market Set-Up	7:30 AM – 9:00 AM
Registration	8:00 AM – 4:30 PM
Exhibits & Flea Market Open	9:00 AM – 4:30 PM
Snack Bar	9:00 AM – 4:30 PM
VE Exams (Our Saviour's East Parish Hall)	9:00 AM – NOON
Seminars (Seaside & Riverview Rooms)	10:00 AM – 5:00 PM
Hourly Prizes	10:00 AM – 3:00 PM
DX Luncheon (Best Western Oceanview)	11:30 AM – 1:30 PM
YLRL Luncheon (Best Western Oceanview)	11:30 AM – 1:30 PM
ARRL Forum (Seaside A&B)	1:00 PM – 2:15 PM
Special SEA-PAC Prizes	2:30 PM
Pre-Banquet Happy Hour (Convention Lobby)	6:30 PM – 7:15 PM
SEA-PAC Banquet (Convention Center)	7:15 PM – 9:30 PM

Sunday, June 6

Registration	8:30 AM – 12:00 PM
Exhibits & Flea Market OPEN	9:00 AM – 1:00 PM
Seminars (Seaside & Riverview Rooms)	9:00 AM – 10:30 PM
Hourly Prizes	9:00 AM – 11:00 AM
Snack Bar	9:30 AM – 12:30 PM
Special SEA-PAC Prizes	10:30 AM
Major SEA-PAC Prizes	1:00 PM – 2:00 PM
Convention Closes	2:00 PM



COMMITTEES

EXECUTIVE COMMITTEE

Chairman
Al Berg, W7SIC

Vice Chairmen
Will Sheffield, N7THL
Wayne Schuler, AI9Q
Darwin Durr, K7PSD

BANQUET MC
Everett Curry, W6ABM

EXHIBITORS
Al Berg, W7SIC

EXHIBITORS
HOSPITALITY
Betty Mickley, N7REX

Frances Adams, KB8PRL
Scott Adams, KB8PRS
Charles Mickley, Jr.
Molly Mickley
Joe Boyd, N7VZS
Ann Boyd
Dinah Wells
Brad Wells, KD7RTD

EXHIBIT SET-UP
Jerry Kenyon, KB7LNR
Cindy Kenyon, KC7UJD
Bill Morris, W7IH

Dave Strangland, KD7RTE
Geoff Apgar, W7JEZ
Ivan Loock, N7PRM
Jim Sellers, N7RDN
Kathy McClanahan, N7YBN
Richard McClanahan, KC7GBU
Ken Woolston, KE7OSO
Steve Brice, NA7T
Steve Coan, KA7MOW
Steve Tarr, KD7MRX

Dave Strangland, KD7RTE

Geoff Apgar, W7JEZ

Ivan Loock, N7PRM

Jim Sellers, N7RDN

Kathy McClanahan, N7YBN

Richard McClanahan, KC7GBU

Ken Woolston, KE7OSO

Steve Brice, NA7T

Steve Coan, KA7MOW

Steve Tarr, KD7MRX

FLEA MARKET

Lynn Hurd, WB7UNU
Tom Hill, WA3RMX
Jack Smithson, KA7HOJ

MAILER&PROGRAM
Luther Brisky, KC7KVL
Wayne Schuler, AI9Q

MEAL ARRANGEMENTS
Al Berg, W7SIC

PRIZE COMMITTEE
Darwin Durr, K7PSD
Mel Sutton, KB7PVW

Al Berg, W7SIC
Everett Curry, W6ABM
Mike Durr, KA7PWZ
Bob Recny, N8SQT
Jim Schaeffer, KB7ADH
Linda Sutton, KC7YTD

REGISTRATION
Will Sheffield, N7THL
Rick Banton, KD7THV

Mary Berg, N7TRW
Jerry Sheffield, KC7EKT
Kathy George, KC7USE
Virginia Close

SEMINARS
Hoodview A.R.C.
Ed Clulow, N7TL
Jan Maggs, KA7HMP

Bill Maggs, WB7DLM
Ken Clulow, KA7VQH
Denny Doolittle, WB7UFJ

Pat Michaud, W7RED

Armand Pilote, W7IG

Millie Pilote, W7MIP

Richard Berney, KE7AOA

SECURITY

Clark County A.R.C.
Bruce Bullis, KG6CJL
Eric Keerbs, AD7THM

W1AW/7 SPECIAL EVENT STATION

Russ Mickiewicz, N7QR
Phil Westover, WA7URV

TALK-IN STATION STARS and the

Sunset Empire A.R.C.
Bernie Gildner, KD7UDX

Ken Lucke, WA7PIX
Bill Logsdon, KF7FDJ
Branden Wilson, K6BSR
Scott Reuter, KE7QQR
Stan Schwenk, W7ZBR

TREASURER

Rick Banton, KD7THV

V.E. TESTING

Carl Clawson, WS7L
Hal Rosene, KK7E

Jim English, W7JDE
John Bucsek, KE7WNB
Rich Morgan, KD7GIE

Raul Gonzalez, N7BAR
Tony Mayernik, K7AKM
Ernie Johnson, K7EAJ

Claire Johnson, N7CM

WEB SITE

Rox Heath, AD7RX
Bob Heath, KD7OHF

Please express your appreciation to these volunteers.

They made SEA-PAC 2010 possible.

Committee Chairs are listed above in italics

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WEIGHT - 63 lbs (28.57kg)

WIND LOAD - 6.9 sqft (0.64sqm)

TURNING RADIUS - 10.5ft (3.2m)

FREQUENCY COVERAGE - 13.9MHz - 54 MHz

BOOM LENGTH - 11 ft (3.35m)

LONGEST ELEMENT - 19 ft (5.79m)

POWER RATING - 3KW continuous

BAND ACTIVE ELEMENTS

20m 2

17m 3

15m 3

12m 3

10m 3

6m 3

Refer to our website for more technical specs and gain figures as they are released. The DB 11 will be available in the Fall of 2010. Get your name on the order list now.

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Picture is an artistic rendition to show scale and portability of antenna.

WELCOME

SEAPAC, the Northwestern Division ARRL Convention, is sponsored by the Oregon Tualatin Valley Amateur Radio Club. Co-Sponsors include Clark County Amateur Radio Club, Hoodview Amateur Radio Club, and Sunset Empire Amateur Radio Club.

Thanks to convention volunteers for their assistance. We invite everyone to enjoy themselves to the fullest and be a part of making this event a success.

OTVARC Scholarship Winner

This years recipient of the Chuck Mickley Scholarship is **Sabra Perry, KD7JPR**.

Sabra is 20 years old and this fall will be a senior in the Bachelor of Science Nursing program through Oregon Health and Science University at a satellite campus at Oregon Institute of Technology. She is the editor-in-chief for her school newspaper, *The Edge*. She enjoys working with children and educating the community about health promotion. During the summer, she works at a camp for kids with diabetes.

Sabra received her Amateur Radio license in 2000 and is now Amateur Extra Class and enjoys contesting and CW. Her parents are also licensed operators.

Currently the secretary of the OIT Amateur Radio Club, Sabra is a volunteer examiner and has taught a Technician class. Before moving for school I was a net control operator.

Sabra is grateful to those who have donated money for amateur radio scholarship programs. Those generous contributions have been a big help toward financing my education and I hope that through my career I can find ways to give to the community and help others.



Special Event station W1AW/7

Saturday 9 AM - 4:30 PM

Sunday 9 AM - Noon

Equipment provided by Icom America, Inc.

All licensed amateurs are encouraged to stop by and operate the special event station set up in the Convention Center lobby.

Phil Westover, WA7URV and Russ Mickiewicz, N7QR, the coordinators for this event, will be assisting new hams who are interested in actually getting their feet wet and getting some on the air experience on the HF bands.

Special event QSL cards will be sent to stations working W1AW/7.

SEA PAC EXHIBITORS

A Better T-Shirt
ARRL
ARRL 7th District QSL Bureau
Amateur Radio Relay Group
Arcom Communications
Badge Boys
Battery Tech Inc.
Buddipole Antennas
Byonics LLC
Cascade Radio Club
Celebrating Home
Cookie Lee Jewelry
DC Power LLC
Depiction Inc.
Disaster Guy
D-RATS
DX Store
Elecraft
Flex Radio Systems
Force 12 Antennas
Fue Enterprises
Hotpress Ham Hats
HRO (Ham Radio Outlet)
ICOM America

Idiom Press
J Poles
Kenwood Communications
Larry's Antennas LLC
LED Wholesalers.com
LIDO Mounts
Martronics
National Communications
NCG/Comet Co.
NW Comm and Electronics
Omnitec R&D
Popular Communications
Providence Disaster Team
QR-ZED Engraving
Rescue Tape NW
Sciesis Scientific
SteppiR Antennas
Surplus Gizmos
Tac-Comm
Tigertronics
US Navy/Marine Corps MARS
Vertex Standard-Yaesu
Western Case Company
YRL

Due to publication deadlines we apologize for any changes or omissions.

The 3rd Annual SEARC/STARS Spaghetti Feed

All You Can Eat Spaghetti Dinner is held at the Seaside Fire Hall on Friday night
June 4, from 4 PM to 8:30 PM

Adults \$7 Children 7-12 \$5

\$1 off admission with proof of Ham license or SeaPac Registration.

For more information visit www.w7bu.org

Special Prize Drawings

In addition to the hourly drawings, there
are two special prize drawings at SeaPac
this year.

Saturday 2:30 PM

Sunday 10:30 PM

YL and DX Luncheons

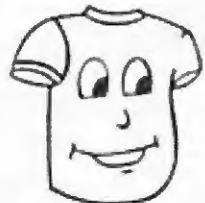
Each year two special groups have
lunch during SeaPac at the Best
Western Oceanview Resort from
11:30 AM - 1:30 PM.

Tickets may be available at the reg-
istration desk for \$15.50.

(50 person limit)



SeaPac 2010 Executive Chairmen
Will Sheffield, N7THL; Wayne Schuler, AI9Q; Darwin Durr, K7PSD; Al Berg, W7SIC



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While at SeaPac, be sure to visit and operate the **W1AW/7 Special Event Station** in the lobby of the convention center.

Saturday 9 AM - 4:30 PM
Sunday 9 AM - Noon



SeaPac Thanks
Icom America
for providing equipment for the
W1AW/7 Special Event Station
and SeaPac security.

www.icomamerica.com

BANQUET

Everett Curry, W6ABM, Master of Ceremonies

*This year's SEA-PAC banquet entertainment is a local area band
"Floating Glass Balls"*

Floating Glass Balls (FGB) is a band distilled from years of weekly musical gatherings at in Cannon Beach. Their music is broad and pulls from many genres -- bluegrass, Caribbean, contemporary, country, and swing tunes -- the likes of the Stanley Brothers and the Carter Family, to name just a couple. It is reflected in what each member brings to the table. "The Balls" can easily play four to five straight gigs without repeating a song -- a testament to the depth the group has developed throughout those years playing together. FGB has appeared throughout the northwest for over 10 years.



FGB will provide us with a great mix of tunes passed between fellow musicians as well as string band versions of tunes treated to diverse and appealing arrangements. The group lead by Peter Siegel on the mandolin, Bill Uhlig on bass, Dan Conner on dobro, fiddler Gary Keiski and the bands youngest member and practical joker, guitarist Joes Marshall. He sings most of The Balls songs.

FGB has recorded several CD's which include vintage string classics demonstrating their adeptness of mando, dobro, fiddle and guitar picking, featuring Dan Conner's vocals, lending authenticity to Appalachian-rooted tunes, and righteous old-timey harmonies contributed by Siegel and Marshall -- a constant you can count on from the band.

Please join SeaPac and Floating Glass Balls at our Saturday night Banquet, June 5.

DON'T MISS THIS EVENT.
Get your SEA-PAC banquet tickets today as seating is limited.

BANQUET PRIZES

Icom IC-80D Dual-band HT
Kenwood TH-F6A Tri-band HT

SEA PAC PRIZE DONORS

Exhibitors Donating Prizes

A Better T-Shirt
ARRL
Badge Boys
Battery Tech Inc.
Buddipole Antennas
Cookie Lee Jewelry
DX Store
Fue Enterprises
Hotpress Ham Hats
HRO (Ham Radio Outlet)
ICOM America
J Poles
Kenwood Communications
Larry's Antennas LLC
LED Wholesalers.com
LIDO Mounts
NCG/Comet Co.
QR-ZED Engraving
Rescue Tape NW
SteppIR Antennas
Surplus Gizmos
Tigertronics
Western Case Company
Vertex Standard-Yaesu

Merchants Donating Prizes

Seaside, OR
Best Western Oceanview Resorts
Bigfoot's Steak House
Camp 18 Restaurant & Gift Shop
Dooger's Seafood & Grill
Holiday Inn Hotel Suites Express
Inn at Seaside
Motel 6 at Seaside
Norma's Ocean Diner
Pig 'N Pancake
Portland Fudge
Sam's Seaside Café
Seaside Chamber of Commerce
Seaside Helicopters
Sundowner Motor Inn
The Pizza Harbor
Venice RV Park
Cypress, CA
Yaesu Vertex Standard
Nehalem, OR
Nehalem Bay Wines
Portland, OR
EBB Tide Enterprises
Ham Radio Outlet
Suwanee, GA
Kenwood Communications USA Corp.
Vancouver, WA
Pulse Larsen Antennas

Due to publication deadlines we apologize for any changes or omissions.

BUDDIPOLE

Please call or write for
free brochure! www.buddipole.com



WHAT IS THE BUDDIPOLE?

The Buddipole™ Portable Dipole fits in your travel bag and assembles in minutes. The Buddipole is more than an antenna, it's a versatile system for launching your signal. Optimized for transmit power and proven for DX work, the Buddipole is the secret weapon used by HF portable operators all over the world.



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WATCH OUR VIDEOS

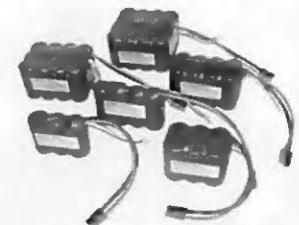
www.youtube.com/buddipole

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MEETINGS AT SEA-PAC

SEA-PAC provides the SEA-MIST Room for these meetings.
Meetings are scheduled by, and the responsibility of, the organizations listed.

Saturday, June 5th

9:00 AM	Official Observer (closed session)	Everett Curry, W6ABM
10:30 AM	NTS meeting	Scott Gray, W7IZ
1:00 PM.....	Oregon ACES.....	Daron Wilson, N7HQR
2:45 PM	Oregon ARES	Bill Morris, W7IH

Sunday, June 6th

9:00 AM	Oregon Section Cabinet.....	Bonnie Altus, AB7ZQ
10:45 AM	ARRL NW Division Cabinet	Jim Fenstermaker, K9JF

RAGS Test Bench

As a service to flea market buyers, the Radio Amateurs of the Gorge (RAGS) provides a test bench. Equipment includes a power supply, speaker, voltmeter, service monitor, frequency counter, oscilloscope and watt meters. Buyers and prospective buyers are encouraged to make use of this service to check out flea market treasures and those unbelievable bargains.

Neither RAGS nor SEA-PAC accepts responsibility for the condition or operability of any equipment, nor can they be held responsible for equipment damage as a result of use of test gear.

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PRIZES

ALL PRIZES SUBJECT TO CHANGE

Sunday, 1:00 - 2:00 pm

Need Not Be Present

Icom IC-706 Mark II G HF-VHF-UHF

Icom IC-2820H Dual Band Mobile

Kenwood TM-V7A Dual Band Mobile

Yaesu FT-8800R Dual Band Mobile

42" LCD TV

Buddipole HF Antenna

Garmin Nuvi Wide GPS

Early Bird Prize

Registration postmarked by April 15, 2010

1000 Watt Honda Generator

Yaesu VX8R HT

HOURLY PRIZES

Unclaimed prizes are re-issued!

Hourly prizes posted for two hours in the lobby and on stage



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PORTLAND, OR - SALEM, NH - SAN DIEGO, CA - SUNNYVALE, CA - BURBANK, CA - WOODBRIDGE, VA

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Bigger is not always better, well maybe
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COMET

I-MATE



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VIBROPLEX

BIRD

SATURDAY

3:00 PM
Riverview A & B

Alternate/Renewable Energy for your Ham Radio station
Ralph Javins, N7KGA

Ralph is an Extra Class licensee from Bothell, WA. Find how operating your regular 100 watt HF station or a 50 watt VHF/UHF station off solar and wind power is not hard to do. See how in an emergency or disaster, it is more practical for a longer period of time than with a gasoline generator.

3:00 PM
Riverview C

How to couple your antenna to the Sky with Zero Sun Spots
Bill Balzarini, KL7BB

Find out the needs of location and antennas to make your signals get to those far away exotic DX locations. Subjects will include Beams, Verticals, Ground Systems, Towers and Locations. Primary focus will be on the 20, 40, 75, 6 and 2 meter bands as well as 440MHz. See practical examples of antennas used on the 2008 Alaskan Arctic Circle W1AW/KL7 special event station.

SUNDAY

9:00 AM
Seaside A&B

The Ins & Outs of QSL Cards
Vincent Van Der Hyde, K7VV

Join Vincent for a great presentation on getting your QSL noticed and getting a card in return. Whether for a contest or that rare DX contact, stack the odds in your favor for a successful QSL card exchange.

10:30 AM
Riverview A&B

An Introduction to Amateur Radio Astronomy
John Roberts, WJ7P

This presentation will cover overview of astronomical radio sources and how they can be observed with simple equipment. It includes the basics of radio telescopes, astronomical radio noise sources, NASA's Radio Jove Kit for listening to Jupiter and the Sun. Describes an "Itty Bitty Radio Telescope" and includes information about the Society of Amateur Radio Astronomers.

SEA-PAC '10 PIN

Congratulations to Michelle Noel, KB7MPA, winner of the 2010 SEA-PAC Pin Contest. Be sure to pick up your 2010 Pin (\$5.00) at the registration desk. Pins from some previous SEA-PAC conventions are also available for purchase.

SEMINARS

Please silence audio signals during the seminars.

Let these Sea-Pac seminars catch your interest and open the door to new ham radio adventures. The presenters below volunteer their experience to share with you their knowledge and skills on the many facets of this great hobby. What ever your interests are, you're sure to acquire new knowledge to take home and enjoy.

Below is an overview of the seminars Sea-Pac is presenting this year. This will help you select the seminars of interest. A thank you to presenters is always appreciated. And as a courtesy to all, be sure your hand-held radios and cell phones are turned off during the seminar.

FRIDAY WORKSHOP 1:00 PM - 5:00 PM

(Registration Required)

E-enabled Applications for Amateur Radio
Powerful tools that make your radio into a Swiss Army Knife

Dan Smith KK7DS

Dan advanced the capabilities of D-Star through D-Star digital voice, D-Rats, and other add-ons. The ARRL Board selected Dan as a 2009 Technical Member. Dan holds an MS in Computer Science and is a Software Engineer for Linux Technology Center. Dan's open source code has benefited Emergency Communications by effectively deploying D-Star in public service work. Dan holds an Amateur Extra Class license and lives in Hillsboro OR.

Stephen Hatch WA7DAD

Steve is the D-Star committee Chair of the Federal Way Amateur Radio Club. In March 2007, as president of the club, he accepted the donation of a D-Star repeater system. Since then, he has been assisting other groups in their D-Star repeater deployments, hosting user group meetings, workshops, and speaking at ham events. Steve works for Boeing IT Security, holds a General Class license and lives in Federal Way, WA. Steve's wife Letricia is WA7MOM. Their family now consists of 7 hams with the club call of WA7DV.

Topics will include:

How to take advantage of some advanced features of D-Star. Includes hooking up and utilizing a GPS, linking and unlinking, and data transfers. Repeater, gateway and related subjects including Advanced D-RATS, WinLink/POP3 access and message routing.

SATURDAY

10:00 AM

Seaside A&B

Introducing ARRL's EZNEC antenna modeling software. Learn how to use this limited issue software to explore the features of the antennas described in ARRL's Antenna Handbook and experiment with your ideas.

Come and learn how to Beat the Morse Code, the "Original Digital Mode", sent one bit at a time. Tips on listening ahead, writing behind, all while building a code buffer. Apply this method from 5 to 40+ words per minute and beyond.

10:00 AM

Seaside C

Phil, a lawyer and an engineer, is an F.C.C. veteran, having worked many years in the San Francisco Office. Discussions on many legal aspects of our hobby such as part 97, CC&R's, and R.F.I. issues. A fun discussion of your rights & responsibilities.

10:00 AM

Riverview A&B

Oregon ARES/RACES Purpose, Progress & Plans
Vincent Van Der Hyde, K7VV

Vincent will do a three-part presentation of ARES/RACES in Oregon. Oregon Emergency Management in disaster situations, the growing use of the Oregon ARES Digital Network (OADN) and where Oregon ARES/RACES is headed at both state and local levels.

10:00 AM

Riverview C

The National Traffic System
Kristin Tomson, K7KWT

Kristen holds a General Class license and enjoys welcoming new licensees to the world of ham radio. This class is geared toward those learning the National Traffic System method of passing emergency messages over the air. Her interactive presentation will cover such topics as frequencies, call signs, check-ins, and using dictation & message layouts.

11:30 AM

Seaside A&B

Ham Radio Demographics in the U.S.
Delvin Bunton, N7QMT

Delvin Bunton N7QMT Delvin is an Extra Class licensee, and is working on a study of ham radio populations in the United States. His presentation will share population maps by county, state, section, and division that show where ham radio is growing and where it is static. See why some states and counties are hard to contact.

11:30 AM

Seaside C

Red Cross Emergency Preparedness
Nicole Bateman – Clatsop County Red Cross Coordinator
Tom Manning—Volunteer cord. Clatsop County Sheriff's Office

A presentation on many types of emergency preparedness, which will cover everything from you at your residence to evacuation situations. Will include discussion on Tsunami preparation.

11:30 AM

Riverview A&B

Suitcase DXpeditions
Bud Drummond W3FF

Enjoy a fascinating presentation of how to do a budget DXpedition and go portable with just suitcases. Bud is the founder of Buddipole Antennas and will demonstrate how to operate from delightful locations with a complete station packed into one suitcase; radio, power, and antennas.

SATURDAY

11:30 AM

Riverview C

Design & Construction of my Dome Observatory
Jack Barnes, WA7KMR

Jack is an Amateur Astronomer and took 2 years to complete an observatory project. A few of the subjects covered will be Deep Sky Objects of primary interest; How a CCD camera, telescope & computer are integrated; Electronics & Mechanics needed to rotate the dome & telescope tracking.

1:00 PM

Seaside A&B

ARRL Forum

Ed Hare W1RFI and Jim Fenstermaker, K9JF

Ed is an ARRL Lab Technician and an Extra Class license holder. Ed works at ARRL Headquarters and comes to us from his residence in Burlington, CT. Jim is the ARRL NW Division Director and lives in Vancouver WA. An opportunity to meet with Ed Hare & Jim Fenstermaker in person and find out what the ARRL sees as the emphasis of Amateur Radio in the future.

1:00 PM

Seaside C

Ham Education That Works
Delvin Bunton, N7QMT

Delvin Bunton N7QMT Delvin and a friend (AC7NB) teach Ham Radio Classes (Tech & General) and like helping new hams get started with the magic of radio. They also teach "how to get started" classes, organized an antenna seminar, and organized a workshop with multiple short classes they call Ham Basics. Learn how to do this near your home.

1:00 PM

Riverview A&B

Insurance to protect yourself as a Ham in Public Service
George Thornton, AE7G

George, an extra class licensee, has a Law Degree and practices as a personal injury litigation attorney in Seattle, WA. George is an avid road bicyclist and served for three years as President of the Redmond Cycling Club. A unique & challenging 1-day bicycle rally known as RAMROD involves 154 miles and 10,000 ft of climbing. In 2001 he obtained his first ham license and became Safety Director for RAMROD. This seminar explores legal & financial risks involved in public service as a ham.

1:00 PM

Riverview C

How to beat the Morse Code
Bill Balzarini, KL7BB

Come and learn how to beat the Morse Code, the "Original Digital Mode" sent one bit at a time. Tips on listening ahead and writing behind while building a code buffer. 5 to 40+ words per minute and beyond.

3:00 PM

Riverview C

Depiction Mapping Software
Tim Goddard & Gary Takis, K7GJT

A presentation demonstrating the capabilities of Depiction mapping, simulation and collaboration software as a powerful tool for emergency communications. Find how amateur operators are bringing this exciting technology to Emergency Operation Centers. Includes live demonstrations of Depiction's capability to exchange information using the new APRS, and in conjunction with the global Winlink 2000 system using Paclink.